

## **Powerline Technician II - 2642**

### **Primary Reason Why Classification Exists**

To perform semi-skilled heavy duty electrical work to construct, maintain, and repair municipal electrical distribution, transmission, and underground systems.

### **Distinguishing Features of the Class**

An employee in this class provides semi-skilled heavy duty electrical work in the construction, maintenance, and repair of above and below ground electrical distribution systems. Emphasis of the work is on providing lesser skilled support functions to class III electrical lineman and supervisory personnel. Employees are required to work with high voltage electrical wires under adverse weather conditions requiring skill and care to protect the lives of employees and others. Work is performed under the guidance and direction of a journey electrical lineman or electrical crew leader. Work is reviewed by the crew leader and is evaluated on the basis of attainment of specific performance objectives, compliance with safety regulations, quantity and quality of work, feedback from crew leaders, and initiative and dependability.

### **Illustrative Examples of Work**

- Provides semi-skilled labor under the direction of journey electrical lineman or crew supervisor in the construction, maintenance, and repair of municipal electrical distribution and transmission systems
- Assembles & disassembles hardware for overhead & underground installations in a de-energized environment with instruction from senior or supervisory staff
- Provides ground support for lineman operating in aerial bucket truck, on pole, trenches or underground facility environment
- Assists in the installation, removal, and maintenance of transformers
- Sets up cones and other safety devices to divert traffic; may provide flagman duties
- Operates special purpose line trucks and attached equipment; checks equipment daily to ensure they are operational and equipped to provide service
- Operates heavy machinery involved with digging, setting and tamping poles, pulling overhead and underground conductors, digging and backfilling trenches or other excavations and hurt man rescue by operating platform controls of aerial bucket
- Installs and maintains streetlights, floodlights, and associated equipment in public areas
- Troubleshoots work to locate the sources causing power failure; makes defined repairs and restores electrical service
- Assists with relocating other utilities such as cable, telephone, and fiber optic lines when setting new poles
- Responds to emergencies when required and subject to call back
- Performs related work as required

### **Knowledge, Skills and Abilities**

- Knowledge of the methods, materials, tools and equipment used in electrical construction and maintenance work
- Knowledge of the principles of electricity as applied to power circuits, wiring diagrams, and plant operation
- Knowledge of the operation of aerial devices (e.g., bucket truck)

- Knowledge of the methods, materials, tools and equipment used in underground wire/transformer installation
- Skill in the use of tools, construction and testing equipment used in installation and maintenance of electrical distribution and transmissions, substations, and allied equipment
- Ability to use common work tools and equipment such as 2-way radio, bucket truck/pick-up, backhoe, trencher, front end loader, laptop, digger derrick, regulators/controls, testers/relays/switches, meters/metering equipment, various electrical equipment
- Ability to maintain effective working relationships with co-workers and subordinates
- Ability to understand and follow oral and written instructions from supervisors
- Ability to climb poles and work at various heights with high voltage wires and related equipment, exercising proper safety precautions
- Ability to maintain good physical condition and health and sufficient physical strength and agility to perform heavy manual tasks
- Ability to work under varying weather conditions with extremes in temperature
- Ability to operate a personal computer and associated software and read blueprints and wiring schematics
- Ability to work overtime (including weekends and holidays) as the needs of the City determines is required to meet operational needs and travel to varied locations as required

### **Physical Requirements**

Work in this position is characterized as heavy work exerting up to 100 pounds of force occasionally, and/or up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly to move objects. Employee must be able to stand, use hands to finger, handle or feel objects, see clearly, bend body downward and forward, requiring full use of the lower extremities and back muscles, reach with hands and arms, hear, walk, ascend and descend stairs or ladders, climb poles, and work at heights or work underground in confined spaces. Employee must have the stamina to engage in strenuous physical work for extended periods of time.

### **Working Conditions**

Employees are primarily subject to outside environmental conditions including extreme cold and heat as well as noise levels requiring workers requiring the wearing of personal & occupational protective equipment. Employees are subject to physical workplace hazards including proximity to moving mechanical parts, cutting tools, or moving vehicles in roadways, climbing poles or working in trenches both of which may have energized high voltage electrical current and wires, working on scaffolding and high places, exposure to extremes of heat and cold, rain and snow, and potential exposure to chemicals, PCBs, herbicides & pesticides, as well as atmospheric conditions including fumes, odors, dusts, dirt, mists, gases, or poor ventilation.

### **Education**

Graduation from high school or GED equivalency and completion of an apprentice electrical lineman career training program by Electricities or by various North Carolina community colleges

### **Experience**

At least 1-2 years' experience working as a class II lineman with a municipal or private sector company providing energized high voltage above ground and below ground electrical distribution systems.

**Special Requirements**

- Valid North Carolina commercial driver's license (CDL-B)
- Certified in CPR & First Aid

**FLSA Status:** Nonexempt (eligible for overtime or equivalent compensatory time at 1½ times the employee's regular weekly rate for all hours worked in excess of 40 hours in the City's official work week and not the employee's work schedule)

**Disclaimer**

This classification specification has been designed to indicate the general nature and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities, and qualifications required of employees to perform the job. The Physical Requirements and Working Conditions section of this classification may vary from position to position and a more thorough description of these elements can be found in the employee's Position Analysis Questionnaire (PAQ). The employer reserves the right to assign or otherwise modify the duties assigned to this classification.

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